



Project: Alaska Copper Works

Inspection Date: 2/4/2020

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 85 Effluent 150 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 10 Effluent 10 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 10 Effluent 9

Carbon Filter Pressures (Lead) Influent 9 Effluent 5 The carbon filters should be

Carbon Filter Pressures (Lag) Influent 2 Effluent 0 backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good- cleaned
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No leaks observed
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Organized
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<2 gallons 10% Caustic 40 gallons 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified- ok



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 7.21 Turbidity 16.8 NTU

Bag Filter Influent pH 9.11 Turbidity 8.12 NTU

Bag Filter Effluent pH 8.81 Turbidity 4.66 NTU

Carbon Filter Influent pH 7.50 Turbidity 4.11 NTU

Carbon Filter Effluent pH 7.12 Turbidity 2.20 NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: _____

Treatment tank: _____

Backflush tank: _____

Main lift station: _____

North lift station: _____

South lift station: _____

Additional Comments, Recommendations and System Upsets:

6 unused filters remaining onsite.
Filters replaced on 2/1/20.

David DuBois

Technician

Project Lead Technician

Title

2/4/2020

Date

Submit